



DRAWING DEVELOPED FOR ML-3 PROJECTS. FOR ML-1/ML-2, ADDITIONAL REQUIREMENTS AND QA REVIEWS ARE REQUIRED. (REMOVE THIS NOTE WHEN INSERTED INTO A DRAWING PACKAGE).

KEYED NOTES:

- 1 LANL'S SUPPORT SERVICES SUBCONTRACTOR (SSS) WILL FURNISH, INSTALL, AND ADJUST PRESSURE OF GAS REGULATOR.
- 2 CONTRACTOR SHALL TERMINATE PIPING WITH A THREADED CAP OR PLUG AND ALLOW SUFFICIENT HORIZONTAL SPACE, 5-10 FEET, BETWEEN TERMINATION POINTS FOR INSTALLATION OF REGULATOR STATION.
- 3 LOCATE REGULATORS NOT LESS THAN 10 FEET HORIZONTALLY FROM INTAKE AIR DEVICES (LOUVERS, FANS, ETC).
- 4 BOND ABOVE GROUND PIPING TO ELECTRICAL GROUNDING SYSTEM. BOND TO GAS PIPING AT SUITABLE LOCATION DOWNSTREAM OF REGULATOR AND UPSTREAM OF GAS APPLANCE SHUT-OFF VALVE. COMPLY WITH NEC.
- 5 BOND GAS PIPING LOCATED WITHIN 6 FEET OF A LIGHTNING PROTECTION CONDUCTOR TO THE CONDUCTOR PER NFPA 780. BOND TO GAS PIPING AT SUITABLE EXTERIOR LOCATION DOWN-STREAM OF REGULATOR.

GAS REGULATOR STATION DETAIL

SCALE: NONE

NOTES FOR DESIGNER:

- (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)
- 1. SEE SHEET 5.
- 2. VERIFY NATURAL GAS INLET PRESSURE AND SIZE REGULATOR ACCORDINGLY.

OUTLET PRESSURE	REGULATOR MAX. CAPACITY (SCFH) AT 0.6 S.G.	ORIFICE SIZE	SPRING NUMBER
FISHER REGULATOR HSR (CAPACITIES BASED ON 20 PSIG INLET PRESSURE)			
7" WC	530 1200 1810	1/8 3/16 1/4	T14399T0012 (YELLOW)
1 PSIG	510 1020 1490	1/8 3/16 1/4	T14402T0012 (PINK)
2 PSIG	410 740 1040	1/8 3/16 1/4	T14403T0012 (LT. BLUE)

ADTS - ENGINEERING DIVISION

ENGINEERING STANDARDS MANUAL

1-19-06	U	IV	REVIEW TITLE, RECORD DATA, AND ADTS - ENGINEERING LOGO	RP	MS	MS	EN	TO
2	9-27-04	U	FISHER REGULATOR, 1/2" NPS, 5402 & 5403	RP	UG	MS	EN	TO
1	8-23-02	U	GENERAL REGULATOR AND CMC NO. WAS 576500	RP	UG	MS	EN	TO
NO	DATE	REV	DESCRIPTION	OWN	ISSN	CHKD	ISSN	APP
BUDG X								
GAS REGULATOR STATION DETAIL								
SINGLE STAGE, LOW FLOW								
ENGINEERING POC: E. HORN				APPROVED FOR RELEASE				
Los Alamos NATIONAL LABORATORY				STANDARD MANAGER: JOHN ORICH				
PROJECT ID: CHAPTER 3				DRAWING NO: ST-G3060-2				
REV 3				DATE: 6-28-99				
3				SHEET				